SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

KREJCI DUMP SITE

Lot #: A7C310175

Stephen Keiffer

EQ Industrial Services
2701 N. I-94 Service Drive
Ypsilanti, MI 1378738

SEVERN TRENT LABORATORIES, INC.

Amy L. McCormick
Project Manager

April 16, 2007

CASE NARRATIVE

A7C310175

The following report contains the analytical results for one solid sample submitted to STL North Canton by EQ Industrial Services from the Krejci Dump Site. The sample was received March 31, 2007, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Amy L. McCormick, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 32.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 14.6°C. without any coolant.

CASE NARRATIVE (continued)

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The matrix spike/matrix spike duplicate(s) for batch(es) 7092025 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

EXECUTIVE SUMMARY - Detection Highlights

A7C310175

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HHR 3 COMPOSITE 03/31/07 001				
Arsenic	8.8	1.5	mg/kg	SW846 6010B
Lead	40.8	0.44	mg/kg	SW846 6010B
Barium	58.2	29.3	mg/kg	SW846 6010B
Chromium	14.6	1.5	mg/kg	SW846 6010B
Percent Solids	68.3	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A7C310175

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A7C310175

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JR5W9	001	HHR 3 COMPOSITE	03/31/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

EQ Industrial Services

Client Sample ID: HHR 3 COMPOSITE

GC Semivolatiles

Lot-Sample #...: A7C310175-001 **Work Order #...:** JR5W91AA **Matrix.....:** SO
Date Sampled...: 03/31/07 **Date Received..:** 03/31/07
Prep Date.....: 04/03/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7093249
Dilution Factor: 1
% Moisture.....: 32 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	48	ug/kg
Aroclor 1221	ND	48	ug/kg
Aroclor 1232	ND	48	ug/kg
Aroclor 1242	ND	48	ug/kg
Aroclor 1248	ND	48	ug/kg
Aroclor 1254	ND	48	ug/kg
Aroclor 1260	ND	48	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(10 - 127)
Decachlorobiphenyl	99	(40 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

EQ Industrial Services

Client Sample ID: HHR 3 COMPOSITE

TOTAL Metals

Lot-Sample #...: A7C310175-001 **Matrix.....:** SO
Date Sampled...: 03/31/07 **Date Received..:** 03/31/07
% Moisture.....: 32

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7092025						
Mercury	ND	0.15	mg/kg	SW846 7471A	04/02-04/04/07	JR5W91AL
		Dilution Factor: 1				
Arsenic	**8.8**	**1.5**	**mg/kg**	**SW846 6010B**	**04/02-04/03/07**	**JR5W91AH**
		Dilution Factor: 1				
Barium	**58.2**	**29.3**	**mg/kg**	**SW846 6010B**	**04/02-04/03/07**	**JR5W91AD**
		Dilution Factor: 1				
Cadmium	ND	0.73	mg/kg	SW846 6010B	04/02-04/03/07	JR5W91AE
		Dilution Factor: 1				
Lead	**40.8**	**0.44**	**mg/kg**	**SW846 6010B**	**04/02-04/03/07**	**JR5W91AJ**
		Dilution Factor: 1				
Chromium	**14.6**	**1.5**	**mg/kg**	**SW846 6010B**	**04/02-04/03/07**	**JR5W91AF**
		Dilution Factor: 1				
Selenium	ND	0.73	mg/kg	SW846 6010B	04/02-04/03/07	JR5W91AK
		Dilution Factor: 1				
Silver	ND	1.5	mg/kg	SW846 6010B	04/02-04/03/07	JR5W91AG
		Dilution Factor: 1				

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

EQ Industrial Services

Client Sample ID: HHR 3 COMPOSITE

TCLP Metals

Lot-Sample #...: A7C310175-001 **Matrix.....:** SO
Date Sampled...: 03/31/07 **Date Received..:** 03/31/07
Leach Date.....: 04/05/07 **Leach Batch #..:** P709505

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7096023						
Arsenic	ND	0.50	mg/L	SW846 6010B	04/06/07	JR5W91AM
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	04/06/07	JR5W91AN
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	04/06/07	JR5W91AP
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	04/06/07	JR5W91AQ
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	04/06/07	JR5W91AR
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	04/06/07	JR5W91AT
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	04/06/07	JR5W91AU
		Dilution Factor: 1				
Mercury	ND	0.0020	mg/L	SW846 7470A	04/06/07	JR5W91AV
		Dilution Factor: 1				

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

EQ Industrial Services

Client Sample ID: HHR 3 COMPOSITE

General Chemistry

Lot-Sample #...: A7C310175-001 **Work Order #...:** JR5W9 **Matrix.....:** SO
Date Sampled...: 03/31/07 **Date Received..:** 03/31/07
% Moisture.....: 32

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**68.3**	**10.0**	**%**	**MCAWW 160.3 MOD**	**03/31-04/02/07**	**7090106**

Dilution Factor: 1

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7C310175 **Work Order #...:** JR84Q1AA **Matrix.....:** SOLID
MB Lot-Sample #: A7D030000-249

Prep Date.....: 04/03/07
Analysis Date..: 04/05/07 **Prep Batch #...:** 7093249
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	53	(10 - 127)
Decachlorobiphenyl	75	(40 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D020000-025 **Prep Batch #...:** 7092025						
Mercury	ND	0.10	mg/kg	SW846 7471A	04/02-04/04/07	JR6DF1C1
		Dilution Factor: 1				
Arsenic	ND	1.0	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1CW
		Dilution Factor: 1				
Barium	ND	20.0	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1CR
		Dilution Factor: 1				
Cadmium	ND	0.50	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1CT
		Dilution Factor: 1				
Lead	ND	0.30	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1CX
		Dilution Factor: 1				
Chromium	ND	1.0	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1CU
		Dilution Factor: 1				
Selenium	ND	0.50	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1C0
		Dilution Factor: 1				
Silver	ND	1.0	mg/kg	SW846 6010B	04/02-04/03/07	JR6DF1CV
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D050000-276 **Prep Batch #...:** 7096023						
Leach Date.....: 04/05/07 **Leach Batch #..:** P709505						
Arsenic	ND	0.50	mg/L	SW846 6010B	04/06/07	JTETD1AD
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	04/06/07	JTETD1AE
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	04/06/07	JTETD1AF
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	04/06/07	JTETD1AG
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	04/06/07	JTETD1AH
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	04/06/07	JTETD1AJ
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	04/06/07	JTETD1AK
		Dilution Factor: 1				
Mercury	ND	0.0020	mg/L	SW846 7470A	04/06/07	JTETD1AC
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D060000-023 **Prep Batch #...:** 7096023						
Arsenic	ND	0.50	mg/L	SW846 6010B	04/06/07	JTFXG1AA
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	04/06/07	JTFXG1AC
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	04/06/07	JTFXG1AD
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	04/06/07	JTFXG1AE
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	04/06/07	JTFXG1AF
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	04/06/07	JTFXG1AG
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	04/06/07	JTFXG1AH
		Dilution Factor: 1				
Mercury	ND	0.0020	mg/L	SW846 7470A	04/06/07	JTFXG1AJ
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7C310175 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: JR5271AA		MB Lot-Sample #:	A7C310000-106	
	ND	10.0	%	MCAWW 160.3 MOD	03/31-04/02/07	7090106
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7C310175 **Work Order #...:** JR84Q1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A7D030000-249
Prep Date.....: 04/03/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7093249
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**57**	**(41 - 130)**	**SW846 8082**
Aroclor 1260	**64**	**(42 - 130)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	52	(10 - 127)
Decachlorobiphenyl	68	(40 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7D020000-025 **Prep Batch #...:** 7092025					
Mercury	102	(73 - 123)	SW846 7471A	04/02-04/04/07	JR6DF1A2
		Dilution Factor: 1			
Barium	91	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DD
		Dilution Factor: 1			
Arsenic	87	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DH
		Dilution Factor: 1			
Cadmium	89	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DE
		Dilution Factor: 1			
Lead	87	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DJ
		Dilution Factor: 1			
Chromium	92	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DF
		Dilution Factor: 1			
Selenium	87	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DK
		Dilution Factor: 1			
Silver	100	(80 - 120)	SW846 6010B	04/02-04/03/07	JR6DF1DG
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7D060000-023 **Prep Batch #...:** 7096023					
Arsenic	98	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AK
Barium	104	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AL
Cadmium	101	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AM
Chromium	104	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AN
Lead	99	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AP
Selenium	101	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AQ
Silver	110	(50 - 150)	SW846 6010B Dilution Factor: 1	04/06/07	JTFXG1AR
Mercury	112	(50 - 150)	SW846 7470A Dilution Factor: 1	04/06/07	JTFXG1AT

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7C310175 **Work Order #...:** JR3M01FJ-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7C300175-002 JR3M01FK-MSD
Date Sampled...: 03/29/07 10:25 **Date Received..:** 03/30/07
Prep Date.....: 04/03/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7093249
Dilution Factor: 1 **% Moisture.....:** 9.6

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**99**	**(10 - 200)**			**SW846 8082**
	86	**(10 - 200)**	**14**	**(0-30)**	**SW846 8082**
Aroclor 1260	**103**	**(10 - 200)**			**SW846 8082**
	88	**(10 - 200)**	**16**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	98	(10 - 127)
	83	(10 - 127)
Decachlorobiphenyl	105	(40 - 138)
	98	(40 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID
Date Sampled...: 03/29/07 10:25 **Date Received..:** 03/30/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7C300175-002 **Prep Batch #...:** 7092025						**% Moisture.....:** 9.6	
Mercury	120	(10 - 199)			SW846 7471A	04/02-04/04/07	JR3M01EG
	117	(10 - 199)	1.6	(0-50)	SW846 7471A	04/02-04/04/07	JR3M01EH
		Dilution Factor: 1					
Arsenic	81	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01D6
	83	(75 - 125)	2.4	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01D7
		Dilution Factor: 1					
Barium	88	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01DR
	88	(75 - 125)	0.16	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01DT
		Dilution Factor: 1					
Cadmium	81	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01DV
	83	(75 - 125)	2.5	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01DW
		Dilution Factor: 1					
Lead	65 N	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01D9
	70 N	(75 - 125)	3.8	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01EA
		Dilution Factor: 1					
Chromium	81	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01D0
	90	(75 - 125)	7.6	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01D1
		Dilution Factor: 1					
Selenium	81	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01ED
	82	(75 - 125)	1.8	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01EE
		Dilution Factor: 1					
Silver	94	(75 - 125)			SW846 6010B	04/02-04/03/07	JR3M01D3
	96	(75 - 125)	2.4	(0-20)	SW846 6010B	04/02-04/03/07	JR3M01D4
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID
Date Sampled...: 03/30/07 14:00 **Date Received..:** 03/31/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7C310148-008 **Prep Batch #...:** 7092025						**% Moisture.....:** 20	
Mercury	108	(10 - 199)			SW846 7471A	04/02-04/04/07	JR5QJ1AC
	110	(10 - 199)	2.4	(0-50)	SW846 7471A	04/02-04/04/07	JR5QJ1AD
		Dilution Factor: 1					
Arsenic	83	(75 - 125)			SW846 6010B	04/02-04/04/07	JR5QJ1AX
	81	(75 - 125)	2.2	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1A0
		Dilution Factor: 2					
Barium	93	(75 - 125)			SW846 6010B	04/02-04/03/07	JR5QJ1CF
	84	(75 - 125)	8.9	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1CG
		Dilution Factor: 1					
Cadmium	86	(75 - 125)			SW846 6010B	04/02-04/04/07	JR5QJ1CM
	86	(75 - 125)	0.02	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1CN
		Dilution Factor: 2					
Lead	91	(75 - 125)			SW846 6010B	04/02-04/04/07	JR5QJ1A2
	82	(75 - 125)	10	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1A3
		Dilution Factor: 2					
Chromium	113	(75 - 125)			SW846 6010B	04/02-04/03/07	JR5QJ1CQ
	109	(75 - 125)	1.4	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1CR
		Dilution Factor: 1					
Selenium	81	(75 - 125)			SW846 6010B	04/02-04/04/07	JR5QJ1A5
	78	(75 - 125)	3.7	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1A6
		Dilution Factor: 2					
Silver	34 N	(75 - 125)			SW846 6010B	04/02-04/03/07	JR5QJ1C5
	92 *	(75 - 125)	93	(0-20)	SW846 6010B	04/02-04/03/07	JR5QJ1C6
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: A7C310175 **Matrix.....:** SOLID
Date Sampled...: 03/22/07 **Date Received..:** 03/29/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7C290315-001 **Prep Batch #...:** 7096023							
Leach Date.....: 04/05/07 **Leach Batch #..:** P709505							
Arsenic	104	(50 - 150)			SW846 6010B	04/06/07	JR14Q1AR
	102	(50 - 150)	1.1	(0-20)	SW846 6010B	04/06/07	JR14Q1AT
		Dilution Factor: 5					
Barium	104	(50 - 150)			SW846 6010B	04/06/07	JR14Q1AU
	104	(50 - 150)	0.05	(0-20)	SW846 6010B	04/06/07	JR14Q1AV
		Dilution Factor: 5					
Cadmium	107	(50 - 150)			SW846 6010B	04/06/07	JR14Q1AW
	106	(50 - 150)	0.65	(0-20)	SW846 6010B	04/06/07	JR14Q1AX
		Dilution Factor: 5					
Chromium	106	(50 - 150)			SW846 6010B	04/06/07	JR14Q1A0
	105	(50 - 150)	0.80	(0-20)	SW846 6010B	04/06/07	JR14Q1A1
		Dilution Factor: 5					
Lead	103	(50 - 150)			SW846 6010B	04/06/07	JR14Q1A2
	103	(50 - 150)	0.21	(0-20)	SW846 6010B	04/06/07	JR14Q1A3
		Dilution Factor: 5					
Selenium	104	(50 - 150)			SW846 6010B	04/06/07	JR14Q1A4
	105	(50 - 150)	0.41	(0-20)	SW846 6010B	04/06/07	JR14Q1A5
		Dilution Factor: 5					
Silver	106	(50 - 150)			SW846 6010B	04/06/07	JR14Q1A6
	104	(50 - 150)	2.6	(0-20)	SW846 6010B	04/06/07	JR14Q1A7
		Dilution Factor: 5					
Mercury	110	(50 - 150)			SW846 7470A	04/06/07	JR14Q1A8
	118	(50 - 150)	6.5	(0-20)	SW846 7470A	04/06/07	JR14Q1A9
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7C310175 **Work Order #...:** JR3PQ-SMP **Matrix.....:** SOLID
JR3PQ-DUP
Date Sampled...: 03/29/07 15:45 **Date Received..:** 03/30/07
% Moisture.....: 13

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A7C300175-020		
	87.1	86.8	%	0.28	(0-20)	MCAWW 160.3 MOD	03/31-04/02/07	7090106

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7C310175 **Work Order #...:** JR5QJ-SMP **Matrix.....:** SOLID
JR5QJ-DUP
Date Sampled...: 03/30/07 14:00 **Date Received..:** 03/31/07
% Moisture.....: 20

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A7C310148-008		
	80.2	79.4	%	0.96	(0-20)	MCAWW 160.3 MOD	03/31-04/02/07	7090106

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7C310175 **Work Order #...:** JR5W9-SMP **Matrix.....:** SO
JR5W9-DUP
Date Sampled...: 03/31/07 **Date Received..:** 03/31/07
% Moisture.....: 32

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A7C310175-001		
	68.3	63.0	%	8.0	(0-20)	MCAWW 160.3 MOD	03/31-04/02/07	7090106

Dilution Factor: 1

STL Mobile
900 Lakeside Drive

Mobile, AL 36693
phone 251-666-6633 fax 251-666-6696

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

Client Contact	Project Manager: B. Rehm	Site Contact: S. Keifer	Date: 3/30/07	COC No:
Your Company Name here EQ	Tel/Fax: 608-669-1249	Lab Contact:	Carrier: Fed Ex	_____ of _____ COCs
Address 2701 N. I-94 Service Drive	Analysis Turnaround Time			Job No.
City/State/Zip YPSILANTI, MI	Calendar (C) or Work Days (W) _____			
(xxx) xxx-xxxx Phone	TAT if different from Below _____			
(xxx) xxx-xxxx FAX	☒ 2 weeks			SDG No.
Project Name: KREIGE DUMP SITE	☐ 1 week			
Site: KREIGE DUMP SITE	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Metals (As, Ba, Cd, Cr, Pb, Se, Ag, Hg) by TCLP	Volatiles by Composition	PCB Aroclors	Sample Specific Notes:
HHR 3	3/30/07	8:30		S	3		XX		X	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Justin Gregory	EQ	3/30/07 9:30	Darryl Burns	STL	3/31/07 9:45
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

STL Cooler Receipt Form/Narrative **Lot Number:** A7C310175

North Canton Facility

Client: STL Mobile/EQ Project: Krejci Quote#: _____

Cooler Received on: 3/31/07 Opened on: 3/31/07 by: Jerry Bilms (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ STL Courier ☐

Stetson ☐ US Cargo ☐ Other: _____

STL Cooler No# _____ Foam Box ☐ Client Cooler ☒ Other _____

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other : _____
6. Cooler temperature upon receipt 14.6 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☒

7.	Did all bottles arrive in good condition (Unbroken)?	Yes ☒	No ☐	
8.	Could all bottle labels and/or tags be reconciled with the COC?	Yes ☒	No ☐	
9.	Were samples at the correct pH upon receipt?	Yes ☐	No ☐	NA ☒
10.	Were correct bottles used for the tests indicated?	Yes ☒	No ☐	
11.	Were air bubbles >6 mm in any VOA vials?	Yes ☐	No ☐	NA ☒
12.	Sufficient quantity received to perform indicated analyses?	Yes ☒	No ☐	

13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM ALM Date: 3/31/07 by: TB via Voice Mail ☒ Verbal ☐ Other ☐

Concerning: Temp

√		
	1. CHAIN OF CUSTODY	
	The following discrepancies occurred: Used approx 40.5 TB mg from each container for composite. TB 3/31/07.	
	2. SAMPLE CONDITION	
	Sample(s) _____	were received after the recommended holding time had expired.
	Sample(s) _____	were received in a broken container.
	3. SAMPLE PRESERVATION	
	Sample(s) _____	were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #* 110106 *- Sulfuric Acid Lot #* 092006*-H2SO4; Sodium Hydroxide Lot #* -122805 *-NaOH; Hydrochloric Acid Lot #* 100504*-HCl; Sodium Hydroxide and Zinc Acetate Lot #* 050205*-CH3COO2ZN/NaOH*
	Sample(s) _____	were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)	

Client ID	pH	Date	Initials

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev 60 012407.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

END OF REPORT